

Li, Ruixiang

12/15/79

To: STIC-Biotech/ChemLib
Subject: Sequence search of Application NO: 09/826,509

Please do a standard search on SEQ ID NO: 449 against interference amino acid databases.

Thank you very much!

Ruixiang Li
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78737

5/5/04
1-AT
P5P

GenCore version 5.1.6
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OM protein - Protein search, using sw model

Run on: May 7, 2004, 13:17:25 ; Search time 22 Seconds
(without alignments)
1032.519 Million cell updates/sec

Title: US-09-826-509-449
Perfect score: 2292
Sequence: 1 MYPEPGPTANSTPAGAGPP FNIDPAEPELRPHLGIPTN 440

Scoring table: BLOSUM62
Gapext 10.0 , Gapext 0.5

Searched: 38914 seqs, 51625371 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patients AA:*

1: /cgn2_6/prodata/2/1aa/5A.COMB.DEP:*

2: /cgn2_6/prodata/2/1aa/5B.COMB.DEP:*

3: /cgn2_6/prodata/2/1aa/6A.COMB.DEP:*

4: /cgn2_6/prodata/2/1aa/6B.COMB.DEP:*

5: /cgn2_6/prodata/2/1aa/PCUTUS.COMB.DEP:*

6: /cgn2_6/prodata/2/1aa/backfiles1.DEP:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|---------------------|--------------------|
| 1 | 557 | 24.3 | 468 | 2 US-09-390-000A-7 | Sequence 1, Appli |
| 2 | 557 | 24.3 | 477 | 1 US-08-387-722A-16 | Sequence 16, Appli |
| 3 | 554 | 24.2 | 405 | 1 US-08-351-473B-2 | Sequence 2, Appli |
| 4 | 553 | 24.1 | 365 | 2 US-08-467-52B-9 | Sequence 5, Appli |
| 5 | 552 | 24.1 | 400 | 1 US-08-351-473B-5 | Sequence 5, Appli |
| 6 | 552 | 24.1 | 400 | 3 US-08-450-562-4 | Sequence 4, Appli |
| 7 | 552 | 24.1 | 400 | 4 US-08-450-562-6 | Sequence 6, Appli |
| 8 | 552 | 24.1 | 400 | 4 US-08-818-631-4 | Sequence 4, Appli |
| 9 | 552 | 24.1 | 400 | 4 US-08-818-631-6 | Sequence 6, Appli |
| 10 | 552 | 24.1 | 446 | 1 US-07-626-618A-21 | Sequence 21, Appli |
| 11 | 552 | 24.1 | 446 | 1 US-08-333-977-21 | Sequence 21, Appli |
| 12 | 551 | 24.1 | 400 | 1 US-07-916-901-6 | Sequence 6, Appli |
| 13 | 551 | 24.1 | 400 | 1 US-07-783-00C-1 | Sequence 1, Appli |
| 14 | 551 | 24.1 | 400 | 1 US-08-351-473B-4 | Sequence 4, Appli |
| 15 | 551 | 24.0 | 477 | 1 US-08-444-73A-4 | Sequence 4, Appli |
| 16 | 547 | 23.9 | 446 | 2 US-07-969-267B-4 | Sequence 4, Appli |
| 17 | 547 | 23.9 | 446 | 4 US-09-168-510-4 | Sequence 2, Appli |
| 18 | 546 | 23.8 | 388 | 1 US-08-087-772A-2 | Sequence 6, Appli |
| 19 | 538 | 23.5 | 472 | 1 US-08-154-338-6 | Sequence 2, Appli |
| 20 | 533 | 23.3 | 487 | 1 US-08-444-73A-3 | Sequence 6, Appli |
| 21 | 531 | 23.3 | 408 | 1 US-08-351-473B-3 | Sequence 6, Appli |
| 22 | 531 | 23.2 | 402 | 1 US-08-444-73A-6 | Sequence 15, Appli |
| 23 | 531 | 23.2 | 402 | 1 US-08-087-772A-15 | Sequence 2, Appli |
| 24 | 531 | 23.2 | 403 | 1 US-07-916-901-2 | Sequence 2, Appli |
| 25 | 531 | 23.2 | 403 | 3 US-08-450-962-2 | Sequence 2, Appli |
| 26 | 531 | 23.2 | 408 | 3 US-08-450-962-5 | Sequence 5, Appli |
| 27 | 531 | 23.2 | 408 | 4 US-08-848-631-2 | Sequence 2, Appli |

ALIGNMENTS

RESULT 1
US-09-390-000A-7
Sequence 7, Application US/08390000A
; Patent No. 598583
; GENERAL INFORMATION:
; APPLICANT: Sealon, Stuart C.
; TITLE OF INVENTION: Cloning and Expression of
; Gonadotropin-Releasing Hormone Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Penrie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10016-2711
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/390,000A
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18-872
; REFERENCE/DOCKET NUMBER: 6923-052
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 869-8664/9741
; TELEX: 6141 PENNIE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 468 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-390-000A-7

Query Match Similarity 33.8%; Pred. No. 2.1e-34;
Best Local Similarity 33.8%; Mismatches 169;
Matches 144; Conservative 67; Gaps 11;

Qy 1 MVPEPGPTANSTPAGAGPPSAAGPSGNYAAALCVIALTAANSLILICQPALENT 60
Db 24 IVPASPAASLIPPAESPLSQWTAGMLILVILVAVRNLVIAATPRLQLT 83
Qy 61 SNNFLSLETSIDLMLYGLVMPAMINALYGRWYLARGICLCLWTAFDYMCSCASILNLCL 120

84 TNLFIMSLASADLVMGLIVVPEGATIVNGWBYGGFFCEBLWTSVLCVTTASETLCVI 143
 121 SDRYLIISPLRYKPLMTPLEALAUAYGANSIALAASELILLW--HEIGHARPPV-- 176
 144 ALDRYLAITSPLRYQSLITRARGIVCTWAAISAVSFPLIMHWRAESDEARRCYND 203
 177 PGQCRLLASLPLFWLVAASGLTFFLPSGAICPYCRILLAARKQAYQAS--LTGMASQ 232
 204 PKCCDFVTVNRAIASSVSPVPLCIMAFYLVRERAOQVKKIDSERRFLGGPAPR 263
 233 ASET----LQVPRPRPGYESADS-----ERLATKHSRKALKAKLTGIL 273
 264 BSSPSPSVPPAPAPPGRPPRPAAAATAAPLANGRAGKGRPSRLVALREOKALK--TLGII 320
 274 LGMFIFTWLPFFVANVQAV-CDCISGGLFDVLTWGYNSTMNPILY--PLFNRDFKR 329
 321 MGVTFLCMLPFFLANTYKAHRELVDRLFVFFENWGYANSAAFNPIYCRSP---DFRK 376
 330 ALGRFLPQPCPREROASLSPSLRTSHSGPRGLSLOQVLPPLP-PDSDSDSDAGSGG 388
 377 AFQGLLCCARRARRHATHDRPRASGCLARP-----PPPSDGAASDDDDVVGA 429
 RESULT 2
 US-08-087-772A-16
 Sequence 16, Application US/08087772A
 / GENERAL INFORMATION:
 / Paten t No. 5691155
 / APPLICANT: Namias, Clara
 / APPLICANT: Emerine, Jean L.
 / APPLICANT: Strosberg, Dony A.
 / TITLE OF INVENTION: Nucleotide Sequences Encoding the Murine
 / NUMBER OF SEQUENCES: 17
 / ADDRESSEE: Bell, Seltzer, Park & Gibson
 / STREET: Post Office Drrwer 34009
 / CITY: Charlotte
 / STATE: No. 5631155th Carolina
 / COUNTRY: USA
 / ZIP: 28234
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patent In Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/087,772A
 / FILING DATE:
 / CLASSIFICATION: 800
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Linker, Raymond O.
 / REGISTRATION NUMBER: 26,419
 / REFERENCE/DOCKET NUMBER: 3339-195
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 919-881-3140
 / TELEFAX: 919-881-3175
 / INFORMATION FOR SEQ ID NO: 16:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 477 amino acids
 / TYPE: amino acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / MOLECULE TYPE: peptide

Query March 24.3t; Score 557; DB 1; Length 477;
 Best Local Similarity 33.8%; Pred. No. 2.1e-34;

Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;
 QY 1 MYPEPGPTANSPTAAGGAGPPSAPGGSCWVAALCYVIALTAANSLLIACTOPALRNT 60
 Db 33 LVASPPSLLPASESDEPUSQKQWTAQGMLALIVLIVAGNVIVVATAKTPRLQTL 92
 QY 61 SNPFVLSLFTSDIMVYMPMPAMLNALVYGRWVLARGLCIWTADFYMCCSASILNCLL 120
 Db 93 TNFIMSLASADLVMGLIVVPRGATIVNGWBYGSFCELMTSVDLVCTVASTIETLCV 152
 QY 121 SDRYLIISPLRYKPLMTPLEALAUAYGANSIALAASELILLW--HEIGHARPPV-- 176
 Db 153 ALDRYLAITSPLRYQSLITRARGIVCTWAAISAVSFPLIMHWRAESDEARRCYND 212
 QY 177 PGQCRLLASLPLFWLVAASGLTFFLPSGAICPYCRILLAARKQAVQAS--LTGMASQ 232
 Db 213 PKCDFVTNRAIASSVSPVPLCIMAFYLVRERAOQVKKIDSERRFLGGPAPR 272
 QY 233 ASET----LQVPRPRPGYBADS-----RELATKHSRKALKAKLTGIL 273
 Db 273 PSSPSPSVPPAPAPPGRPPRPAAAATAPLANGRAGKRRPSLVALREQKALK--TLGII 329
 QY 274 LGMFIFTWLPFFVANVQAV-CDCISGGLFDVLTWGYNSTMNPILY--PLFNRDFKR 329
 Db 330 MGVTFLCMLPFFLANTYKAHRELVDRLFVFFENWGYANSAAFNPIYCRSP---DFRK 385
 QY 330 ALGRFLPQPCPREROASLSPSLRTSHSGPRGLSLOQVLPPLP-PDSDSDAGSGG 388
 Db 386 AFQGLLCCARRARRHATHDRPRASGCLARP-----PPPSDGAASDDDDVVGA 438
 QY 389 SSGRL 394
 Db 439 TPPARL 444

RESULT 3
 US-08-087-772A-2
 / Sequence 2, Application US/08351473B
 / Patent No. 565640
 / GENERAL INFORMATION:
 / APPLICANT: LENZEN, GERLINDA
 / APPLICANT: KAPOOR, ARCHANA
 / TITLE OF INVENTION: NUCLBOTIDE SEQUENCES CODING FOR THE
 / NUMBER OF SEQUENCES: 9
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
 / STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
 / CITY: ARLINGTON
 / STATE: VIRGINIA
 / COUNTRY: USA
 / ZIP: 22202
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patent In Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/351,473B
 / FILING DATE: 21-FEB-1995
 / CLASSIFICATION: 435
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: 93 04670
 / FILING DATE: 21-APR-1993
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: PCT/FR94/00447
 / FILING DATE: 21-APR-1994
 / ATTORNEY/AGENT INFORMATION:
 / NAME: OBLON, NORMAN F.
 / REGISTRATION NUMBER: 24,618
 / REFERENCE/DOCKET NUMBER: 6639-001-0X PCT
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (703) 413-3000

Query Match 24.2%; Score 554; DB 1; Length 405;
 Best Local Similarity 33.6%; Pred. No. 3e-34; Indels 66; Gaps 13;
 Matches 143; Conservative 61; Mismatches 156; DB -

1 MVPEPG-PTANSTPAWGAGPPSAPGGSGTYAAALCVIAITALAANSLILALICTQPALRN 59
 11 LTPWPPIPLAAPTANASGLPGVPAVALLGALLALAVIATVGNLVIVAIARTPR1QT 70

60 TSNPFPLSFLTSFLAWGLVMPAMNLAYGRWVLARGCLLWTAFDYMCASASILNCL 119
 71 MTNWFVTSLSAADDLVGLLVPGPATLALGHWPGVGTGCELNTSVDLVCVATIECA 130

120 ISLDRLVLLISPLRYKLRTPLRALVLGWSLAAASPLFLUGWHLG-----H 171
 131 LAVDRLLAVTNPRLVGLVYKRALAAYVWVSAVSAFPTMSKWRIGADEAQRC 190

172 ARPPVPGQCRILLASLPFLVYASGLTFLPSGAICTYCRILLAAKQAVQASLTGM - 229
 191 SNPRC--CTPASNNMYALLSSSVFYLPLVMLFVYARVFFVATRQ-IRLRLRLGFP 246

230 -----AQASETTQVPRTPRGYESADSR--RLATKHSRKALKLTLGILGMFFV 279
 247 PEESPAPSRSGSPGLAGCPASPGPSYGRPARLPREHRAIL--TGLIMGTFL 303

280 TWLPPFVANIVQAV--CDC1SPGLFLVLTWLGXCNSTMPIY---PLMRDFFRALGRF 334
 304 CWLPPFVANVYRALGGPSLVGPTFLALWVNGYASAFNLIYCRSPDERSAFLRC 353

335 LP-----CPRCPRERQASLASPLSLRHTSHSGPRGLSLQQVLPPLPPDSDSDAGS 386
 364 RPEEHAAASPRAPS-----GAPALTSPAGNQ-----PPELD---- 398

387 GGSGL 392
 399 GASCG 404

RESULT 4

US-08-467-559B-9
 Sequence 9, Application US/08467559B
 Patent No. 5928890
 GENERAL INFORMATION:
 APPLICANT: LI, YI
 TITLE OF INVENTION: HUMAN AMINE RECEPTOR
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SPERNE, KESSLER, GOLDSTEIN AND FOX, P.L.L.C.
 STREET: 1100 NEW YORK AVENUE, NW, SUITE 600
 CITY: WASHINGTON
 STATE: DC
 COUNTRY: UNITED STATES OF AMERICA

RESULT 5
 US-08-351-473B-5
 Sequence 5, Application US/08351473B
 Patent No. 565440
 GENERAL INFORMATION:
 APPLICANT: LENZEN, GERLINDA
 APPLICANT: KAPOOR, ARCHANA
 TITLE OF INVENTION: NUCLOBOTIDE SEQUENCES CODING FOR THE
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
 CITY: ALEXANDRIA
 STATE: VIRGINIA
 COUNTRY: USA
 ZIP: 22212
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,559B
 FILING DATE: 06-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K

REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1488.0840000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 365 amino acids
 TYPE: amino acid
 STRANGENESS: not relevant
 TOPOLOGY: not relevant
 MOLECULE TYPE: protein
 US-08-467-559B-9

Query Match 24.1%; Score 553; DB 2; Length 365;
 Best Local Similarity 37.8%; Pred. No. 2.9e-34; Indels 35; Gaps 12;
 Matches 137; Conservative 134; Mismatches 134;

QY 7 PTRANSTPAWGAGPPSAPGGSGWVAA--ALCVIAITALAANSLILALICTQPALNTSNF 63
 9 PAPSLIPLPASEG--SAPLSQWTANGLVLIVVNLVIVAIARTPRQLTLNL 66

Db 64 FLYSLFLSDLVGLVWMPAMNLAYGRWVLARGCLLWTAFDYMCASASILNCLSID 123
 67 FIMSLASADLVGLLWVPGATIVWGRWEYGSFFCELTWTSVDLVCVATASLETLCVIALD 126

QY 124 RYLLISPLRYKLMPFLRALALVIGAWSLAAASPLFLPLLLGW--HELGHARPPV--PGQ 179
 127 RYLAISPLRYKLMPFLRALALVIGAWSLAAASPLFLPLLLGW--HELGHARPPV--PGQ 179

Db 180 CRLLASLPFLVYASGLTFLPSGAICTYCRILLAAKQAVQAVAS---LTTGMAQSAS- 234
 187 CDEVTNRYALASSVSFYVPLCIMAVYLRVFEAQVKVQKIDSCCRFLGGPAPRPPSP 246

QY 235 ETIQVPRTPRSEYESADR-----RLATKHSRKALKLTLGILGMFTVWLPFFVA 287
 247 EPPSPGPSPGPADSLANGRSSLKRPSPLVALREQALK---TIGIIMGVFTLWLPFFLA 303

Db 288 NTYQAV-CDC1SPGLFLDVLTWLGNCNSTMNPITY--PLFMRDFKRALGRFLPCPR---C 340
 304 NTYKAFLRDLVYDRLPVFFNMGYANSAFNLIYCRSP---DFRKAFLQBLCCARRAAC 359

QY 341 PR 342
 Db 360 RR 361

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 93 04670
 FILING DATE: 21-APR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/FR94/00447
 FILING DATE: 21-APR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: OBLON, NORVAN F.
 REGISTRATION NUMBER: 24,618
 REFERENCE/DOCKET NUMBER: 6639-001-0X PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 413-0000
 TELEFAX: (703) 413-2220
 TELELEX: 24855 OPAT UR
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-351-473B-5

Query Match 24.1%; Score 552.5; DB 1; Length 400;
 Best Local Similarity 35.1%; Pred. No. 3.9e-34;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGPTANSTPA-WGAGP---PSAPGSSG---WVAALCYVIAL-TAAANSLILACTQ 54
 Db 3 PWPHRGSLSLMSDAPTDPSAANTGSLGPYWPWANLAGALLATVGNLVIAART 62
 Qy 55 PALRNTSNFELVSLFSDLMGLYVNPAMNLNYGRWVLARGCLILWTAFDYNCCSASI 114
 Db 63 PRLQTINVETSLAADDLQVYLLVPPGATLALQHWPGETGELWTSVDVICVATI 122

Query Match 24.1%; Score 552.5; DB 3; Length 400;
 Best Local Similarity 35.1%; Pred. No. 3.9e-34;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 115 LNCLISLDYLLISPLRYKLRMTPILRALAIVLGAWSLAALASPLIPLIGHHLIG--- 170
 Db 123 ETLCAALAVDRLAATVNPFLRYGLTVTRRARAIVLVIVASVAPINSQWWRVGDAE 182
 Qy 171 ---HARPPVPGCQLRLLASLPPVVLVAGSLTFLPSGAICTYCRILLAARKQAVQASLT 226
 Db 183 AQECSNSNRC---CSFASNPYALLSSSVSSTYPLVIMLPVYARVYVAKQR-HLLRRE 238
 Db 227 TGMASQSETLVPRTPRPRP---GVBESADRR-RLATRHSRKALKAKUTLGILL 274
 Qy 239 LGRFSPEESPPSPSRSSPATCGTPAAPDGYPGPPGRRPARPLPLRERHAI ---TGLIM 295
 Db 275 GMFFVTLPLFFVANIVYQAVC---DCISFGLFDVLTWLGNCNSTMNPITY---PLFMRDFKR 329
 Db 296 GFSLCLWLPFFLAVNLALAGAPSLSVSGVPALNWIGYANSAFNPIVYCRSPDFRDAFRR 355
 Qy 330 AL---GRFLPCRC---PREQOASLASPLR-TSHSGPRP 362
 Db 356 LUCSYGRGPEEPRAVTFPASPVEAROSSPLNRFDTEGARP 397

RESULT 6
 US-08-450-962-4
 Sequence 4. Application US/08450962
 Patent No. 6274706
 GENERAL INFORMATION:
 APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
 APPLICANT: STROBERG, Donny
 TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
 TITLE OF INVENTION: GENES
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: RECK, MARIN & CATE
 STREET: P.O. BOX 06110
 CITY: CHICAGO
 STATE: ILLINOIS
 COUNTRY: U.S.A.
 ZIP: 60606-0110

RESULT 7
 US-08-450-962-6
 Sequence 6, Application US/08450962
 Patent No. 6274706
 GENERAL INFORMATION:
 APPLICANT: EMORINE, Laurent; MARULLO, Stefano;
 APPLICANT: STROBERG, Donny

TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND
TITLE OF INVENTION: GENES

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: RECK, MAHIN & CATE

STREET: P.O. BOX 06110

CITY: CHICAGO

STATE: ILLINOIS

COUNTRY: U.S.A.

ZIP: 60606-0110

COMPUTER READABLE FORM:

MEDIUM TYPE: 3-1/2" diskette

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/450,962

FILING DATE: 07-SEPT-1993

APPLICATION NUMBER: 07/1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/FR89/00918

FILING DATE: 25-JAN-1989

ATTORNEY/AGENT INFORMATION:

NAME: Flit, Martin; Gollin, Michael A.

REGISTRATION NUMBER: 16,900; 31,957

REFERENCE/DOCKET NUMBER: 47078-042

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 789-3400

TELEFAX: (202) 789-1158

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 400 residues

TYPE: amino acid

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

DESCRIPTION: Polypeptide

US-08-450-962-6

Query Match Score 552.5; DB 3; Length 400;
Best Local Similarity 35.1%; Pred. No. 3.9e-34;
Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

5 PGPTANSTPA-WGAGP---PSAPEGSG---WVAALCYVIAL-TAANSLILIAILCTQ 54

3 PWPHRGSLAHLNSDAPTDLPSAANTSGLPGLPVWAALLAGALIALATVGNLILVIAART 62

55 PALRNTSNFPLSFLTSPLDMVGLVPPAMLNALYGEWVLRLGLCLWTAEDMCCSASI 114

63 PRQQTINVFVTSLLAAADLVVGLVMPFGATLALTGMPGETGCLWTSVDCYTTASI 122

Qy 115 LNLLCISLDRYLILSPDRYKURMLPLRALLYGAVSLAALASFLPILLGWHLLG--- 170

Db 123 ETLCAALADRYLAVTNPRLYGLVTKRARAAYVLMIVSAAVSEAPIMSQWRYTADAE 182

Qy 171 ---HARPPVPGQCRLLASLSPFLPVASGLTFFPSGATCFTYCRILLAARKQAVQASLT 226

Db 183 AQECHSNPRC--CSFAANMPYALLSSSVSFLPLMLFVYARVTFVAKQR-HILRRE 238

Qy 227 TGMASQASETLOVTPRE-----GVESADSR--RLATKHSRKAKLTLGILL 274

Db 239 LGFSPSEEPSPSPRSRSPSSTATGQTAAADGVPCCGRRPARLPLRBRALR---TIGLIM 295

Qy 275 GMFVFTWLPFPEVANIVQAVC--DCISPLGFLDVTWTWYCNSTMNPVY--PLFMDRFR 329

Db 296 GFLSLCWLPFELANVRLAAGESSVPSGEVIAWLGYANSAFNPVYCRSPFDRAFRR 355

Qy 330 AL---GRFLPCRC--PREROASLAPSLR--TSHSGPRP 362

356 LUCSYGGRGPEEPRAVTFPASPVYEAROSPPLNRFDGEGARP 397

RESULT 8

Sequence 4, Application US/08848631

Patent No. 663442

GENERAL INFORMATION:

APPLICANT: ENORINE, Laurent; MARULLO, Stefano;

STROBERG, Donny

TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND

MOUSE a3-ADRENERGIC RECEPTOR

GENES

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

RECK, MAHIN & CATE

STREET: P.O. BOX 06110

CITY: CHICAGO

STATE: ILLINOIS

COUNTRY: U.S.A.

ZIP: 60606-0110

COMPUTER READABLE FORM:

MEDIUM TYPE: 3-1/2" diskette

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/450,962

FILING DATE: 07-SEPT-1993

APPLICATION NUMBER: 07/1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/FR89/00918

FILING DATE: 25-JAN-1989

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/450,962

FILING DATE: 06-Jun-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/721,571

FILING DATE: 25-MAY-1980

APPLICATION NUMBER: PCT/FR89/00918

FILING DATE: 25-JAN-1989

ATTORNEY/AGENT INFORMATION:

NAME: Flit, Martin; Gollin, Michael A.

REGISTRATION NUMBER: 16,900; 31,957

REFERENCE/DOCKET NUMBER: 47078-042

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 789-3400

TELEFAX: (202) 789-1158

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 400 residues

TYPE: amino acid

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

DESCRIPTION: Polypeptide

US-08-450-962-4

Query Match Score 552.5; DB 4; Length 400;

Best Local Similarity 35.1%; Pred. No. 3.9e-34;

Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

5 PGPTANSTPA-WGAGP---PSAEGSG---WVAALCYVIAL-TAANSLILIAILCTQ 54

3 PWPHRGSLAHLNSDAPTDLPSAANTSGLPGVPAALAGALLALATVGNLILVIAART 62

55 PALRNTSNFPLSFLTSPLDMVGLVPPAMLNALYGEWVLRLGLCLWTAEDMCCSASI 114

63 PRQQTINVFVTSLLAAADLVVGLVMPFGATLALTGMPGETGCLWTSVDCYTTASI 122

Qy 115 LNLLCISLDRYLILSPDRYKURMLPLRALLYGAVSLAALASFLPILLGWHLLG--- 170

Db 123 ETLCAALADRYLAVTNPRLYGLVTKRARAAYVLMIVSAAVSEAPIMSQWRYTADAE 182

Qy 171 ---HARPPVPGQCRLLASLSPFLPVASGLTFFPSGATCFTYCRILLAARKQAVQASLT 226

Db 183 AQECHSNPRC--CSFAANMPYALLSSSVSFLPLMLFVYARVTFVAKQR-HILRRE 238

Qy 227 TGMASQASETLOVTPRE-----GVESADSR--RLATKHSRKAKLTLGILL 274

Db 239 LGFSPSEEPSPSPRSRSPSSTATGQTAAADGVPCCGRRPARLPLRBRALR---TIGLIM 295

Qy 275 GMFVFTWLPFPEVANIVQAVC--DCISPLGFLDVTWTWYCNSTMNPVY--PLFMDRFR 329

Db 296 GFLSLCWLPFELANVRLAAGESSVPSGEVIAWLGYANSAFNPVYCRSPFDRAFRR 355

Qy 330 AL---GRFLPCRC--PREROASLAPSLR--TSHSGPRP 362

227 TGMASQASETLOVTPRPR-----GVESADSR--RLATKHSRKAKLTLGILL 274

123 ETLCAALADRYLAVTNPRLYGLVTKRARAAYVLMIVSAAVSEAPIMSQWRYTADAE 182

171 ---HARPPVPGQCRLLASLSPFLPVASGLTFFPSGATCFTYCRILLAARKQAVQASLT 226

183 AQECHSNPRC--CSFAANMPYALLSSSVSFLPLMLFVYARVTFVAKQR-HILRRE 238

227 TGMASQASETLOVTPRPR-----GVESADSR--RLATKHSRKAKLTLGILL 274

Db 239 LGRFSPPEESPPSPSPSPSPATGGTAAAGVPPCGRRPAPLPLRPHRAIR---TIGLIM 295
 Qy 275 GNEFVTVLPLPFFYANIVYDAVC---DCISPLGFLDFDVLTVLGYCNSTMNPIIY---PLFMRDFKR 329
 Db 296 GFSLCLWDFPFLLNVLRLAGPSLVPGVFTALANWLGYANSAFNPVYCRSPDFRDAFR 355
 Qy 330 AL---GRFLPCRC---PREOASLASPSLR-TSHSGPRP 362
 Db 356 LLSYGGGGPPEBRAVTFPASPVEARQSPPLNRFDGFEGARP 397

RESULT 9
 US-08-848-631-6
 ; Sequence 6, Application US/08848631
 ; Patent No. 663442
 ; GENERAL INFORMATION:
 ; APPLICANT: ENORINE, Laurent; MARULLO, Donny;
 ; TITLE OF INVENTION: INTRON EXON OF THE HUMAN AND
 ; MOUSE a3-ADRENERGIC RECEPTOR
 ; GENES

NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: KECK, MAHIN & CATE
 STREET: P.O. BOX 06110
 CITY: CHICAGO
 STATE: ILLINOIS
 COUNTRY: U.S.A.
 ZIP: 60606-0110
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3-1/2" diskette
 COMPUTER: IBM compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: ASCII

CURRENT APPLICATION DATA:
 COMPUTER NUMBER: US/08/848,631
 FILING DATE: 08-Jun-1999
 PRIORITY NUMBER:
 REFERENCE NUMBER: 07/721,571
 FILING DATE: 25-MAY-1990
 APPLICATION NUMBER: PCT/FR83/00918
 ATTORNEY/AGENT INFORMATION:
 NAME: Fleit, Martin; Gollin, Michael A.
 REGISTRATION NUMBER: 16,900; 31,957
 REFERENCE/DOCKET NUMBER: 47078-042
 FILING DATE: 25-JAN-1989
 TELEPHONE: (202) 789-1400
 TELEFAX: (202) 789-1158
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 400 residues
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: <Unknown>
 DESCRIPTION: Polypeptide
 SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-08-848-631-6

Query Match 24.1%; Score 552.5; DB 4; Length 400;
 Best Local Similarity 35.1%; Pred. No. 3,9e-34;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGPIANSTA-WGAGP---PSAFGGSG---WVAALCVVIAL-TAAANSLILAICTQ 54
 Db 3 PWHRNGSIALWSDAPLDPSSANTSGLPVGWPPAMLNALYGRWVLGLCLWNTAFDMCCSASI 114
 Qy 55 PAIINTSNPFLVLSFTSDLMVGLVWPPAMLNALYGRWVLGLCLWNTAFDMCCSASI 114
 Db 63 PRQLTINVTFLVTSLLAADDVVGVLWMPGATLALTGWPLGETGCLWTSVDLCTASI 122
 Qy 115 LNQCLISIDRYLILSPRLYKLMNTPLRALAALVLGANSLLAALASPLPLLGWHLG--- 170

Db 123 ETLCALAVDRYLAVTNPRLYGTIVTERRARAALVWIVSARVSAPIMSQWVRVGDAE 182
 Qy 171 ---HARPPVPGCRLIASLPLPFLVAVSGLTFPLPSGACIETCYCRILIAARKPAQVASYLT 226
 Db 183 AQEBCHSNPRC---CSFAANMPYALLSSSVFTPLLWMLFTARVEVAKQR-HILRRE 238
 Db 227 TGMQSQSETLYQVPTPSP---GIVESADSR-RLATKHSERKALKALKTIGILL 274
 Db 239 LGRTSPEESEPPSSRSRSPATGGTAAAGVPPCGRSPARLPLRERALR-TUGLIM 295
 Qy 275 GMFPEVTLPLPFFYANIVYDAVC---DCISPLGFLDFDVLTVLGYCNSTMNPIIY---PLFMRDFKR 329
 Db 296 GFSLCLWDFPFLLNVLRLAGPSLVPGVFTALANWLGYANSAFNPVYCRSPDFRDAFR 355
 Qy 330 AL---GRFLPCRC---PREOASLASPSLR-TSHSGPRP 362
 Db 356 LLSYGGGGPPEBRAVTFPASPVEARQSPPLNRFDGFEGARP 397

RESULT 10
 US-07-626-618A-21
 ; Sequence 21, Application US/07626618A
 ; Patent No. 5422265
 ; GENERAL INFORMATION:
 ; APPLICANT: Van Tol, Hubert H.M.
 ; APPLICANT: Civelli, Olivier
 ; TITLE OF INVENTION: A No. 5422265el Human Dopamine Receptor and Uses
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Allegretti & Witcoff, Ltd.
 ; STREET: 10 South Wacker Drive, Suite 3000
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60606
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/626,618A
 FILING DATE: 7 DEC 1990
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 5422265n, Kevin E
 REGISTRATION NUMBER: 35,303
 FILING DATE: 7 DEC 1990
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 810-221-8317
 INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 446 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHEICAL: No
 US-07-626-618A-21

Query Match 24.1%; Score 552.5; DB 1; Length 446;
 Best Local Similarity 34.2%; Prd. No. 4,3.e-34;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

Qy 21 SAGGSGTVW---ARLQVYVLTAAANSLILACTOPALRN-TSNFLVLS 68
 Db 7 SAMGQGLYVERDFSRLTACTSLSTLSTGNTLVCAATFRHLRSKVNFFTSL 66
 Qy 69 FTSDLMVGLVWMPAMLNALYGRWVLGLCLWNTAFDMCCSASI 128
 Db 67 AVSDLLVAVLVMMPWKAVEIAGGWPPFG-SFCNIIWAPDIMCSTASILNLCVISVDRYWA 125

QY 129 LSPRLYKLMLPLRLALYLQGAWSLAALASFPLLLGHLGRPPVPG----- 178
 126 SSPFRYERKONTPKAFLISLTVTSLVSLISPKQLSNHK--AKPTSPDGNTS LAET 182
 179 --QCRLLASLPFVLYASGLTFLPGAICTYCRILLAAARKAQVASYL-TTGNAQS E 235
 183 IDNCDSLSEPTYAISSSVISFYPIPAIMIVTYRIQKQIRRIAALEWAHNCQ 242
 236 TLQVPRTPRGVEADSRLKTHSRKALKAKLTLGILGMFFTYWLPPFVANTVQAYD 295
 243 TTGNGKPVCECSQPESSFKMSKRETVK--TLSVINGVFVCLPPFLNCILPFCG 299
 296 ----CISPEGLFDYLTVWGYCNESTMNPIIYPMFRDKEALGRFLPQPR-OPRERA- 346
 300 SGETQFCDIDNTFDEVNGWANSLSNLPY-AFNADRKAFATLQGYRLCATNNAI 358
 347 ----SLASPLSLRTSHSGPRGLSLQQVLEPLPLPDSDSDAQGGSSGLRLTAQLLP 401
 359 ETVSINNNGAAMFESSHEPRGSIISKECNLYLIPAVGSSEDLKEEAQIARLXELKSP 418
 402 GEATQDPPLPTRAAGAVNNFNIDPABEPLP-----HP 434
 419 ----ALSVIDYD7DVSLEKIQPITQNGHP 445

RESULT 11
 US-08-333-977-21
 ; Sequence 21, Application US/08333977
 ; Patent No. 5594108
 ; GENERAL INFORMATION:
 ; APPLICANT: Van Tol, Hubert H.M.
 ; CIVILIAN: Olivier
 ; TITLE OF INVENTION: A No. 5594108el Human Dopamine Receptor and Uses
 ; NUMBER OF SEQUENCES: 22
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Allegretti & Witcoff, Ltd.
 ; STREET: 10 South Wacker Drive, Suite 3000
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60606
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/333, 977
 ; FILING DATE: 03-NOV-1994
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/626, 618
 ; FILING DATE: 7 DEC 1990
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: No. 5594108nat, Kevin E
 ; REGISTRATION NUMBER: 35,303
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312-715-1000
 ; TELEX: 312-715-1234
 ; INFORMATION FOR SEQ ID NO: 21:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 446 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Protein
 ; HYPOTHETICAL: NO
 US-08-333-977-21

Query Match Score 552.5; DB 1; Length 446;
 Best Local Similarity 24.1%; Pred. No. 4.3e-34;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

MOLECULE TYPE: protein
US-07-916-901-6

Query Match 24.1%; Score 551.5; DB 1; Length 400;
Best Local Similarity 35.3%; Pred. No. 4 6e-34;
Matches 142; Conservative 61; Mismatches 148; Indels 51; Gaps 15;

Qy 5 PGPTANSTPA-WGAGP---PSAPGCGG----WVAAALCVVIAL-TAAANSLITALICTQ 54
Db 3 PWPHRNGSLAFWSDAPILDPAANTSGLP/PWALAGALLATVGNLLVITAART 62
Qy 55 PALRNTSNFELVSLFSFSDLMGLVYMPAMINALYGRWVTLARGCLIMTAFDYMCASASI 114
Db 63 PRLQTINVTFSLATADLVVLYMPGATLALTGHWPAGTGEMLNTSDVLCVTAASI 122
Qy 115 INCLISLSDRVLILSLPLRKYKLMTRPLRBLALVQWASLALASPLLIGWHELG--- 170
Db 123 ETLCALAVDRYLAIVTPLRYCTLVTRRARAIVWIVATVSPAPIMSQWWRVGADAE 182
Qy 171 ---HAPPVPVPSQCRLLASLPFVLVAGLTFPLPSGAICTYCRILLAARKQAVQVY--- 222
Db 183 AECHENPRC---CSPASNMYYAIISSSVSSTPLVIMLFFVYARFVVAKRQR-RLLRR 238
Qy 227 TGMASQASETLYVPTTRP-----GYESADSR--RLATHRSRALKAKLTGILL 274
Db 239 LGRFPPEESPRSPSPRSRSPATGTPPASDGYVPSCCRPARNLPLGEHRAIR--TLLGIM 295
Qy 275 GMFFVTVMLPFFVYANIVYAVC---DCISGFLGFDLYLWIGCNSTMNPITY---PLFMRDFKR 329
Db 296 GFLSLCMLPFFLAVNLRLVGPSPVLSVGVFVLTNIGYANSAFNPLIYCRSPDFRDAFRR 355
Qy 330 AL---GRFLCPRC---PREQASLASPLSR---TSHSGPRP 362
Db 356 LLCSYGRGPEERVVTFPASVAVSNSPUNRFDGEGERP 397

MOLECULE TYPE: Polypeptide
US-07-783-602C-1

Query Match 24.1%; Score 551.5; DB 1; Length 400;
Best Local Similarity 35.8%; Pred. No. 4 6e-34;
Matches 144; Conservative 61; Mismatches 146; Indels 51; Gaps 15;

Qy 5 PGPTANSTPA-WGAGP---PSAPGCGG----WVAAALCVVIAL-TAAANSLITALICTQ 54
Db 3 PWPHRNGSLAFWSDAPILDPAANTSGLP/PWALAGALLATVGNLLVITAART 62
Qy 55 PALRNTSNFELVSLFSFSDLMGLVYMPAMINALYGRWVTLARGCLIMTAFDYMCASASI 114
Db 63 PRLQTINVTFSLATADLVVLYMPGATLALTGHWPAGTGEMLNTSDVLCVTAASI 122
Qy 115 INCLISLSDRVLILSLPLRKYKLMTRPLRBLALVQWASLALASPLLIGWHELG--- 170
Db 123 ETLCALAVDRYLAIVTPLRYCTLVTRRARAIVWIVATVSPAPIMSQWWRVGADAE 182
Qy 171 ---HAPPVPVPSQCRLLASLPFVLVAGLTFPLPSGAICTYCRILLAARKQAVQVY--- 222
Db 183 AECHENPRC---CSPASNMYYAIISSSVSSTPLVIMLFFVYARFVVAKRQR-RLLRR 238
Qy 223 -----ASLTTRKAQASSETLQVPRPFGVBSADSR--RLATHRSRALKAKLTGILL 274
Db 240 GRRPPESSPRSPRSRSPATGTPPASDGYVPSCCRPARNLPLGEHRAIR--TLLGIM 295
Qy 275 GMFFVTVMLPFFVYANIVYAVC---DCISGFLGFDLYLWIGCNSTMNPITY---PLFMRDFKR 329
Db 296 GFLSLCMLPFFLAVNLRLVGPSPVLSVGVFVLTNIGYANSAFNPLIYCRSPDFRDAFRR 355
Qy 330 AL---GRFLCPRC---PREQASLASPLSR---TSHSGPRP 362
Db 356 LLCSYGRGPEERVVTFPASVAVSNSPUNRFDGEGERP 397

RESULT 13

US-07-783-602C-1
Sequence 1: Application US/07783602C
; Patent No.: 5418160
; GENERAL INFORMATION:
; APPLICANT: J. Craig Venter et al
; TITLE OF INVENTION: A PAT CELL SPECIFIC a-ADRENERGIC
; TITLE OF INVENTION: RECEPTOR
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Love, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/783,602C
; FILING DATE: 19911101
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: J. G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE DOCKET NUMBER: 717-098
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 584 1111
; INFORMATION FOR SEQ ID NO: 1:
; LENGTH: 400
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear

RESULT 14

US-08-351-473B-4
Sequence 4: Application US/08351473B
; Patent No. 5653440
; GENERAL INFORMATION:
; APPLICANT: LENZEN, GERLINDA
; APPLICANT: KAPOOR, ARCHANA
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE
; TITLE OF INVENTION: BOVINE BETA-3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ALEXANDRIA
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,473B
; FILING DATE: 21-FEB-1995
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 93 04670
; FILING DATE: 21-APR-1993
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR94/00447
; FILING DATE: 21-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE DOCKET NUMBER: 6639-001-0X PCT
; TELECOMMUNICATION INFORMATION:
;

TELEPHONE: (703) 413-3000
 TELEFAX: (703) 413-2220
 INFORMATION FOR SEQ ID NO: 4:
 LENGTH: 400 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide

US-08-351-473B-4

Query Match 24.1%; Score 551.5; DB 1; Length 400;
 Best Local Similarity 35.1%; Pred. No. 4.4e-34;
 Matches 141; Conservative 62; Mismatches 148; Indels 51; Gaps 15;

5 PGPTANSTPA-WGAGP -- PSAPGGSG- --- WVAALCVVIAL-TAAANSLILACTQ 54
 3 PWPKRNGSIAFWSDAPTDPSAANTSGIPLGPVPAALAGALIALATVGGNLVITATART 62

55 PALANTSNPFLVLETSDDLMVGLVMPMPMLNLYGRWTLARGICLNTAFDWCCASI 114
 63 PRLOQTINVFVTSVLTADLIVVGLVMPGATLAIITGHPLGLATGCELWTSVDLVCVATSI 122

115 LNCLLISLDRLLLISPLYYKLRLTPELRLALVIGAWSLAALSFLPLLGSWHELG --- 170

123 ETLCALAVDRLATVNPLRYGLTVKTRARAATLVWIVVATSPAPIMSQWRVGADE 182

Qy 171 ----HARPPVGQCRLLASLPFVILVAGTFLPSSGAICTFYCRILLAAKRCAVQ/ASLT 226
 Db 183 AQECHSNPRC--CSFASINPYYALLSSSYFSPFLVNLFLVTFYRFFVFAFROE-RLRRRE 238

Qy 227 TGMASQASETLPQVRTPRP-----GVEASDR --RLATKHSRKALKLTIQILL 274
 Db 239 LGRFPPPEESRSPSSPSSPATVGIPTASDGPSPGRARPLLGERHRL --TLDLIM 295

Qy 275 GMFFFTWLPFVANTVQAV- -DCISPGFLFDVLTWLGICNSTMNPVY --PLFMRDFKR 329
 Db 296 GIFTSLCWLPLFLANVRLAFLYGSPLVSGVFIANLWGYTANSAFNPLVYCRSPDFDRAFRR 355

Qy 330 AL---GRFLPCCPRC-- -PRERQSLASLSSR- -TSHGQPRP 362
 Db 356 LLCSYGGGRGPEEPRTVTFPASPVASRQNSPLNRFDGYEGERP 397

RESULT 15

US-08-444-734A-4

Sequence 4, Application US/08444734A
 Patent No. 5610232
 GENERAL INFORMATION:
 APPLICANT: Sibley, David R.
 APPLICANT: Monsma, Frederick J.
 APPLICANT: Mahan, Lawrence C.
 APPLICANT: McWittie, Lois D.
 TITLE OF INVENTION: cDNA encoding the rat D1 dopamine receptor linked to adenylyl cyclase activation and expression of the receptor protein in plasmid-transfected cell lines
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Knobbe, Martens, Olson and Bear
 STREET: 620 Newport Center Drive, Sixteenth Floor
 CITY: Newport Beach
 STATE: CA
 COUNTRY: USA
 ZIP: 92660
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/444,734A

Search completed: May 7, 2004, 13:21:09
 Job time : 24 secs

| Sequence 6, Appli | | | | | | | | | |
|--|---|--|--|----|--|--|--|--|--|
| GenCore version 5.1.6 | | | | | | | | | |
| Copyright (c) 1993 - 2004 Compugen Ltd. | | | | | | | | | |
| protein - protein search, using sw model | | | | | | | | | |
| (without alignments) | | | | | | | | | |
| on: May 7, 2004, 13:20:05 ; search time 48 Seconds | | | | | | | | | |
| 2544.362 Million cell updates/sec | | | | | | | | | |
| file: US-09-826-509-449 | | | | | | | | | |
| effect score: 2292 | | | | | | | | | |
| quence: 1 MVPEPGPTANSTPANGAGPP FNIDPAEPELRPHLGIPTN 440 | | | | | | | | | |
| scoring table: BLOSUM62 | | | | | | | | | |
| Gapext 10.0 , Gapext 0.5 | | | | | | | | | |
| searched: 1140673 seqs, 277566755 residues | | | | | | | | | |
| actual number of hits satisfying chosen parameters: 1140673 | | | | | | | | | |
| Minimum DB seq length: 0 | | | | | | | | | |
| Maximum DB seq length: 2000000000 | | | | | | | | | |
| hit-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries | | | | | | | | | |
| Database : Published Applications AA:* | | | | | | | | | |
| 1: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 2: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 3: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 4: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 5: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 6: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 7: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 8: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 9: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 10: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 11: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 12: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 13: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 14: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 15: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 16: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 17: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| 18: | /cgn2_6/ptodata/2/pubpaas/US00_PUBCOMB.pep:* | | | | | | | | |
| RESULT 1 | | | | | | | | | |
| ; Sequence 449, Application US/09826509 | | | | | | | | | |
| ; Publication No. US20030204073A1 | | | | | | | | | |
| ; GENERAL INFORMATION: | | | | | | | | | |
| ; APPLICANT: Lehmann-Bruinsma, Karin | | | | | | | | | |
| ; ATTORNEY: Lin, I-Lin | | | | | | | | | |
| ; INVENTION: Protein-Coupled Receptors | | | | | | | | | |
| ; FILE REFERENCE: AREN-207 | | | | | | | | | |
| ; CURRENT APPLICATION NUMBER: US/09/826,509 | | | | | | | | | |
| ; PRIORITY APPLICATION NUMBER: 2001-04-05 | | | | | | | | | |
| ; PRIORITY FILING DATE: 2000-04-07 | | | | | | | | | |
| ; PRIORITY APPLICATION NUMBER: 09/170,496 | | | | | | | | | |
| ; PRIORITY FILING DATE: 1998-10-13 | | | | | | | | | |
| ; NUMBER OF SEQ ID NOS: 589 | | | | | | | | | |
| ; SOFTWARE: PatentIn Version 2.1 | | | | | | | | | |
| ; SEQ ID NO: 449 | | | | | | | | | |
| ; LENGTH: 440 | | | | | | | | | |
| ; TYPE: PRT | | | | | | | | | |
| ; ORGANISM: Homo sapiens | | | | | | | | | |
| US-09-826-509-449 | | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 2292 100.0 440 11 US-09-826-509-449 | | | | | | | | |
| 2: | 2287 99.8 440 14 US-10-225-567A-20 | | | | | | | | |
| 3: | 2287 99.8 440 14 US-10-345-680-41 | | | | | | | | |
| 4: | 1899 5 82.9 437 9 US-09-829-631A-8 | | | | | | | | |
| 5: | 1768 5 77.2 439 9 US-09-829-631A-13 | | | | | | | | |
| 6: | 1387 60.5 291 14 US-10-225-567A-50 | | | | | | | | |
| 7: | 557 24.3 477 14 US-10-295-027-16 | | | | | | | | |
| 8: | 557 24.3 477 15 US-10-295-027-885 | | | | | | | | |
| 9: | 553 5 24.1 365 12 US-09-988-745-9 | | | | | | | | |
| 10: | 552 5 24.1 400 9 US-09-895-211-6 | | | | | | | | |
| 11: | 552 5 24.1 400 9 US-09-895-211-6 | | | | | | | | |
| 12: | 552 5 24.1 446 14 US-10-225-567A-98 | | | | | | | | |
| 13: | 552 5 24.1 446 14 US-10-295-042-2 | | | | | | | | |
| 14: | 552 5 24.1 446 14 US-10-295-042-4 | | | | | | | | |
| 15: | 552 5 24.1 446 14 US-10-295-042-4 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 MVPEGPTANSTPAGAGPSPAGSGSGWAAACVIALTAANSLIAILCTQALRNT 60 | | | | | | | | |
| Best Local Similarity 100.0%; Pred. No. 5.2e-177; Index 18 0; Gaps 0 | | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 MVPEGPTANSTPAGAGPSPAGSGSGWAAACVIALTAANSLIAILCTQALRNT 60 | | | | | | | | |
| Best Local Similarity 100.0%; Pred. No. 5.2e-177; Index 18 0; Gaps 0 | | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | | | | | | |
| Query Match length DB ID Description | | | | | | | | | |
| 1: | 1 SNFFVSLFSDMGLVMPAMLNLYGRWLARGLCLWTFDVMCCSASINLCLI 120 | | | </ | | | | | |

Db 121 SLDRLILSPRYKRMTPLRALALVLGWSLAAASFLPLLGWHEIGHARPPVPGC 180
 Qy 181 RLLASLPFVLVAGLTFFLPSGAICTYCRILLAARKQAVQASSETLQVP 240
 Db 181 RLLASLPFVLVAGLTFFLPSGAICTYCRILLAARKQAVQASSETLQVP 240
 Db 241 RTPRPGVESADSRRLAKTAKRALKTQVAVCDICISPG 300
 Qy 241 RTPRPGVESADSRRLAKTAKRALKTQVAVCDICISPG 300
 Db 241 RTPRPGVESADSRRLAKTAKRALKTQVAVCDICISPG 300
 Db 301 LFDVLTLWLGYNSTMNPIIYPLFLPCKRAGFLPCPRCPRERQASLASPLRTSHSGP 360
 Qy 361 RPLGLSQQLLPLPPDSDSDASGGSSGLRLTAQLLPGEATDPLPFLTRAAAVNF 420
 Db 361 RPLGLSQQLLPLPPDSDSDASGGSSGLRLTAQLLPGEATDPLPFLTRAAAVNF 420
 Qy 421 FNIDPAEPELRPHPLGPTN 440
 Db 421 FNIDPAEPELRPHPLGPTN 440

RESULT 3
 US-10-145-680-41
 ; Sequence 41, Application US/10345680
 ; Publication No. US2003014839A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Millennium Pharmaceuticals, Inc.
 ; APPLICANT: Silos-Santiago, Inmaculada
 ; APPLICANT: Venkateswaran, Karichet
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
 ; UROLOGICAL DISORDERS USING 1455, 559, 34021, 44099, 25278,
 ; TITLE OF INVENTION: 641, 260, 55089, 21407, 42032, 46655, 62553, 302, 323,
 ; TITLE OF INVENTION: 12303, 985, 13237, 13601, 18926, 318, 2058 OR 6351 MOLECULES
 ; FILE REFERENCE: MPI02-01PIRNM OMNI
 ; CURRENT APPLICATION NUMBER: US710/345,680
 ; CURRENT FILING DATE: 2003-01-16
 ; PRIOR APPLICATION NUMBER: US 60/349,511
 ; PRIOR FILING DATE: 2002-01-16
 ; PRIOR APPLICATION NUMBER: US 60/360,500
 ; PRIOR FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/365,041
 ; PRIOR FILING DATE: 2002-03-15
 ; PRIOR APPLICATION NUMBER: US 60/374,063
 ; PRIOR FILING DATE: 2002-04-19
 ; PRIOR APPLICATION NUMBER: US 60/403,468
 ; PRIOR FILING DATE: 2002-08-14
 ; PRIOR APPLICATION NUMBER: US 60/414,262
 ; PRIOR FILING DATE: 2002-09-27
 ; PRIOR APPLICATION NUMBER: US 60/419,986
 ; PRIOR FILING DATE: 2002-10-21
 ; PRIOR APPLICATION NUMBER: US 60/423,809
 ; PRIOR FILING DATE: 2002-11-15
 ; PRIOR APPLICATION NUMBER: US 60/429,797
 ; PRIOR FILING DATE: 2002-11-26
 ; NUMBER OF SEQ ID NOS: 66
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 41
 ; LENGTH: 440
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-225-567A-20

Query Match 99.8%; Score 2287; DB 14; Length 440;
 Best Local Similarity 99.8%; Pred. No. 1..3e-176;
 Matches 439; Conservative 0; Mismatches 0; Gaps 0;
 US-10-345-680-41

Query Match 99.8%; Score 2287; DB 14; Length 440;
 Best Local Similarity 99.8%; Pred. No. 1..3e-176;
 Matches 439; Conservative 0; Mismatches 1; Gaps 0;
 US-10-345-680-41

Db 1 MVEPGPANTPAWGAGPPSAPGGSGWVAALCVTIALTAANSLILIAJCTQPLAIRT 60
 Qy 1 MVEPGPANTPAWGAGPPSAPGGSGWVAALCVTIALTAANSLILIAJCTQPLAIRT 60
 Db 1 SNNFLVSLFTSDLMVGIVVMPAMLNALYGRWLAFLQVPLVMCCSASILNLCL 120
 Qy 61 SNNFLVSLFTSDLMVGIVVMPAMLNALYGRWLAFLQVPLVMCCSASILNLCL 120
 Db 61 SNNFLVSLFTSDLMVGIVVMPAMLNALYGRWLAFLQVPLVMCCSASILNLCL 120
 Qy 121 SLDRLILSPRYKRMTPLRALALVLGWSLAAASFLPLLGWHEIGHARPPVPGC 180
 Db 121 SLDRLILSPRYKRMTPLRALALVLGWSLAAASFLPLLGWHEIGHARPPVPGC 180
 Qy 181 RLLASLPFVLVAGLTFFLPSGAICTYCRILLAARKQAVQASSETLQVP 240
 Db 181 RLLASLPFVLVAGLTFFLPSGAICTYCRILLAARKQAVQASSETLQVP 240
 Qy 241 RTPRPGVESADSRRLAKTAKRALKTQVAVCDICISPG 300
 Db 241 RTPRPGVESADSRRLAKTAKRALKTQVAVCDICISPG 300
 Qy 301 LFDVLTLWLGYNSTMNPIIYPLFLPCKRAGFLPCPRCPRERQASLASPLRTSHSGP 360

RESULT 5
 US-09-829-631A-13
 ; Sequence 5, Application US/09829631A
 ; Patent No. US20020091235A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sibley, David R.
 ; INVENTOR: Monsma, Frederick J.
 ; APPLICANT: Hamblin, Mark
 ; TITLE OF INVENTION: The ST-B17 Serotonin Receptor
 ; FILE REFERENCE: NIH047.1.CP1.C1
 ; CURRENT APPLICATION NUMBER: US/09/829,631A
 ; CURRENT FILING DATE: 2001-04-10
 ; PRIORITY APPLICATION NUMBER: US 08/428,242
 ; PRIORITY FILING DATE: 1995-09-18
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PastSeq for Windows Version 4.0
 ; SEQ ID NO 13
 ; LENGTH: 439
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: VARIANT
 ; LOCATION: (1)..(439)
 ; OTHER INFORMATION: Xaa = Any Amino Acid
 US-09-829-631A-13

Query Match 77.2%; Score 1768.5; DB 9; Length 439;
 Best Local Similarity 77.6%; Pred. No. 1.e-134;
 Matches 356; Conservative 8; Mismatches 56; Indels 39; Gaps 4;

Qy 1 MVEPEGPTANSTPAWGAGPSSAPGGSGWVAAALCYVIALTAANSLIALICTQPLRNT 60
 Db 1 MVEPEGPTANSTPAWGAGARXX-GGGWVAAGLCVITALPAAANSLIALICTQPLRNT 59
 Qy 61 SNFFFLVSLFTSDLMVGLVVMPPAMINALYGRWVLARGLCILWTAFDYMCSSASTLNLCI 120
 Db 60 SNFFFLVSLFTSDLMVGLVVMPPAMINALYGRWVLARGLCILWTAFDYMCSSASTLNLCI 119
 Qy 121 SLDRLYLSPRYKLRMTPLRALAIVGAMSAAASLPILLGWHELGHARPPVGOC 180
 Db 120 SLDRLYLSPRYKLRMTPLRALAIVGAMSAAASLPILLGWHELGHARPPVGOC 179
 Qy 181 RLIASLPFLVYLASGLTFLPSGAICTYCRILARKQAVQASLTGMASQASETLQVP 240
 Db * 180 RLIASLPFLVYLASGLTFLPSGAICTYCRILARKQAVQASLTGMASQASETLQVP 239
 Qy 61 SNFFFLVSLFTSDLMVGLVVMPPAMINALYGRWVLARGLCILWTAFDYMCSSASTLNLCI 120
 Db 61 SNFFFLVSLFTSDLMVGLVVMPPAMINALYGRWVLARGLCILWTAFDYMCSSASTLNLCI 120
 Qy 121 SLDRLYLSPRYKLRMTPLRALAIVGAWSLAALASLPILLGWHELGHARPPVGOC 180
 Db 121 SLDRLYLSPRYKLRMTPLRALAIVGAWSLAALASLPILLGWHELGHARPPVGOC 180
 Qy 181 RLIASLPFLVYLASGLTFLPSGAICTYCRILARKQAVQASLTGMASQASETLQVP 240
 Db 181 RLIASLPFLVYLASGLTFLPSGAICTYCRILARKQAVQASLTGMASQASETLQVP 240
 Qy 241 RTPRPGVEADSRRRLTGHSPKALAKLTLGILGMFFTWLPLFFVANTIQAVCDISPG 300
 Db 241 RTPRPGVEADSRRRLTGHSPKALAKLTLGILGMFFTWLPLFFVANTIQAVCDISPG 299
 Qy 301 LFDVLITWLGICNSTMPPIIYPLFLWDFKRALGFLPCCPQRQERQASLASPLSRT 355
 Db 301 LFDVLITWLGICNSTMPPIIYPLFLWDFKRALGFLPCCPQRQERQASLASPLSRT 356
 Qy 356 SHSGPREGLISQQTLPPLPPDSDSQDAGSGSSGLRLTAQQLLPGEATQDPPLPTRA 415
 Db 357 QRCQTRP--QQQVLLPLPNSDS--ASGGTSLQLTAQLLGEATRDPPLPTRA 412
 Qy 416 RAVNEMIDPEPELPAPHLGIPTN 440
 Db 413 TVVNFFVTDVSVEPEIRPHPLSSPVN 437

RESULT 6
 US-09-829-631A-10
 ; Sequence 6, Application US/09829631A
 ; Patent No. US20020091235A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sibley, David R.
 ; INVENTOR: Monsma, Frederick J.
 ; APPLICANT: Hamblin, Mark

; TITLE OF INVENTION: The ST-B17 Serotonin Receptor
; FILE REFERENCE: NIH047.1ICP.C1
; CURRENT APPLICATION NUMBER: US/09/829, 631A
; CURRENT FILING DATE: 2001-04-10
; PRIORITY APPLICATION NUMBER: US/08/428, 242
; PRIOR FILING DATE: 1998-09-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 291
; TYPE: PRT
; ORGANISM: Rat
; US-09-829-631A-10

Query Match 60.5%; Score 1387; DB 9; Length 291;
 Best Local Similarity 92.8%; Pred. No. 5.1e-104;
 Matches 270; Conservative 5; Mismatches 16; Indels 0; Gaps 0;
 Qy 1 MVEPEPPTANSTPAWAGGPPSAPGGGWWAALCYVIALTAANSLIACTOPALRNT 60
 Db 1 MVEPEPBPVNSSTPAWGPBPAPGGGWWAALCYVIALTAANSLIACTOPALRNT 60
 Qy 61 SNEFLSLTSPLMVGIVVMPAMINALYGRWVLAARGLCLLWTADFVCCSASTLNCLL 120
 Db 61 SNEFLSLTSPLMVGIVVMPAMINALYGRWVLAARGLCLLWTADFVCCSASTLNCLL 120
 Qy 121 SLDRLYLSPRLSPRYKURMTPLRALYLGVASLAAASPLPLLGHARPPGQC 180
 Db 121 SLDRLYLSPRLSPRYKURMTPLRALYLGVASLAAASPLPLLGHARPPGQC 180
 Qy 181 RLLASLPFVVLASGLTFPLPSGAICTYCRLLAARKQAVASLTGMASQETLQYP 240
 Db 181 RLLASLPFVVLASGLTFPLPSGAICTYCRLLAARKQAVASLTGPGQATELTQYP 240
 Qy 241 RTPRPGTESASDRRLATKHSRKLAKLITGILLMFVTVLPPFVANIVQ 291
 Db 241 RTPRPGMESASDRRLATKHSRKLAKLITGILLGMFFVTVLPPFVANIAQ 291

RESULT 7
 US-10-225-567A-50

; Sequence 50, Application US/10225567A
; Publication No. US2003011378A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences

; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.

; TITLE OF INVENTION: ANTIgenic PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225, 567A
; PRIORITY APPLICATION NUMBER: 60/12-19
; PRIORITY FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 50
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-225-567A-50

Query Match 24.2%; Score 557; DB 14; Length 477;

Best Local Similarity 33.8%; Pred. No. 1.3e-36;
 Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;

Qy 1 MVEPEPPTANSTPAWAGGPPSAPGGGWWAALCYVIALTAANSLIACTOPALRNT 60
 Db 33 LVPASSEPLSPASSPEPEPQQWAGMLMVLIVAGNTVIAAKTPRLQTL 92

Qy 61 SNEFLSLTSPLMVGIVVMPAMINALYGRWVLAARGLCLLWTADFVCCSASTLNCLL 120
 Db 93 TNLFMNLASADLVMGLLVLVPGATIVVGRWEYGSFFCBLWTSVDVCTASIECTVYI 152

Qy 121 SLDRLYLSPRLSPRYKURMTPLRALYLGVASLAAASPLPLLGHARPPGQC 176
 Db 153 ALDRLALTSPLFVVLASGLTFPLPSGAICTYCRLLAARKQAVASLTGMASQETLQYP 212
 Qy 177 PGQCRLLASLSPFVVLASGLTFPLPSGAICTYCRLLAARKQAVASLTGMASQ 232
 Db 213 PKCCDFVTRNAYAIASSVVSPVPLCIMAFYLVFREAQKVKIDSERRFLGPARP 272
 Qy 233 ASTT-----LQVPRPRPGTEAADS-----RLATRHSRALKAKRLTGIL 273
 Db 273 PSPPSPSPVAPAPPGPGRPPRAAAATAPLANGRAGKRRPSRLVAREQKALK- -TLGII 329
 Qy 274 LGREFFVTVLPPFVANIVQAV-CDCTSPGLFDPVLTWGYCNRSTMNPITY--PLFWRDFK 329
 Db 330 NGVFTLWPPFLAVNTYKIRELVDRLTVEFVNIGYANSAFNPVIIYCRSP- -DFRK 385
 Qy 330 ALGRFLPPIPRCERQERQASLASFSLRTSHSGRPGIISLQQVLPFLI-PDSDSDDAGSGG 388
 Db 386 APGLLCCARRARRHATHGDRPASGCLARP-----PPPSFGAADDDDDDVVGA 438
 Qy 389 SSGLRL 394
 Db 439 TPPARL 444

RESULT 8
 US-10-295-027-716
 Sequence 716, Application US/10295-027
 Publication No. US20030232350A1
 GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezzi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012501US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIORITY APPLICATION NUMBER: US/09/663,733
; PRIORITY FILING DATE: 2000-11-13
; PRIORITY APPLICATION NUMBER: US 60/350,666
; PRIORITY FILING DATE: 2001-11-13
; PRIORITY APPLICATION NUMBER: US 60/335,394
; PRIORITY FILING DATE: 2001-11-15
; PRIORITY APPLICATION NUMBER: US 60/332,464
; PRIORITY FILING DATE: 2001-11-21
; PRIORITY APPLICATION NUMBER: US 60/334,393
; PRIORITY FILING DATE: 2001-11-29
; PRIORITY APPLICATION NUMBER: US 60/340,376
; PRIORITY FILING DATE: 2001-12-14
; PRIORITY APPLICATION NUMBER: US 60/347,211
; PRIORITY FILING DATE: 2002-01-08
; PRIORITY APPLICATION NUMBER: US 60/347,349
; PRIORITY FILING DATE: 2002-01-10
; PRIORITY APPLICATION NUMBER: US 60/355,250
; PRIORITY FILING DATE: 2002-02-08
; PRIORITY APPLICATION NUMBER: US 60/356,714
; PRIORITY FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 716
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-295-027-716

Query Match 24.3%; Score 557; DB 15; Length 477;
 Best Local Similarity 33.8%; Pred. No. 1.3e-36;
 Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;

Qy 1 MYPPEPGTANSPAWGAGPPSAGGSERVAAACWVIAATTAANSLLIALICTOPALRNT 60
 Db 33 LYFAPPASLIPASESPEPLSQWTAPELWVPPGATIVWGRPEYGSPECEWTSVDLCTASIELLCV1 152

Qy 61 SNFVLVSLFSTDLMVGLIVMPAMLNLYGRMVLARGCLLWTAFDYMCCSASTILNCL1 120
 Db 93 TNLFIMSLASADLIVGLIVVPPGATIVWGRPEYGSPECEWTSVDLCTASIELLCV1 152

Qy 121 SDRYLLLSPRYKLMTPPLALALVGLAASLASFLPILLG9 -HELGHARPPV-- 176
 Db 153 ALDRYLATSPRYQSLITRAARGLCTWVAISAVSFLPILMHWAESDEARCYND 212

Qy 177 PGQCRLLASLSPFLVASGLTFFLPSGAICPCTRLLAARKOAVQVAS---LITGMASQ 232
 Db 213 PKCCDFITNRAIASSVSVFVPLCMAFYLVRFREAQCVKIDSCCRFLGCPARP 272

Qy 223 ASET-----LOVPRTPRGYESADS-----RRLATKRSRALKAKUTLGL1 273
 Db 273 PSPSPSPVPAAPPPGPRPRAAAATPLANGRAGKRRPSLVALREBQALK--TLGII 329

Qy 274 LGMFPTWLPFWVANIVQAV-CDCCISGLFDVLTWLGNCSTMNPITY--PLFNRDFKR 329
 Db 330 MGIVFTLWLPFWVANIVQAV-CDCCISGLFDVLTWLGNCSTMNPITY--PLFNRDFKR 385

Qy 330 ALGRFLPFCPRPERQASLASPLRLTSHSPRGLSLQQVNLPLPLP-PDSDPSDSDAGSGG 388
 Db 386 AFQGLLCCARRARRHATHGDRPASGCLARP-----PPPSGAASDDDDVVGA 438

Qy 389 SSGIQL 394
 Db 439 TPPARL 444

RESULT 9
 Sequence 885, Application US/10295027
 Publication No. US20030232350A1
 GENERAL INFORMATION:
 / APPLICANT: Afar, Daniel
 / APPLICANT: Ariz, Natasha
 / APPLICANT: Ginsberg, Wendy M.
 / APPLICANT: Gish, Kurt C.
 / APPLICANT: Glynn, Richard
 / APPLICANT: Hevezzi, Peter A.
 / APPLICANT: Mack, David H.
 / APPLICANT: Murray, Richard
 / APPLICANT: Watson, Susan R.
 / APPLICANT: Bos Biotechnology, Inc.
 / TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
 / Methods of Screening for Modulators of Cancer
 / FILE REFERENCE: 011501-0500US
 / CURRENT APPLICATION NUMBER: US/10/295,027
 / CURRENT FILING DATE: 2002-11-13
 / PRIOR APPLICATION NUMBER: US 09/663,733
 / PRIOR FILING DATE: 2000-09-15
 / PRIOR APPLICATION NUMBER: US 60/350,666
 / PRIOR FILING DATE: 2001-11-13
 / PRIOR APPLICATION NUMBER: US 60/335,394
 / PRIOR FILING DATE: 2001-11-15
 / PRIOR APPLICATION NUMBER: US 60/332,464
 / PRIOR FILING DATE: 2001-11-21
 / PRIOR APPLICATION NUMBER: US 60/334,393
 / PRIOR FILING DATE: 2001-11-29
 / PRIOR APPLICATION NUMBER: US 60/340,376
 / PRIOR FILING DATE: 2001-12-14
 / PRIOR APPLICATION NUMBER: US 60/347,211
 / PRIOR FILING DATE: 2002-01-08

RESULT 10
 US-09-745-9
 Sequence 9, Application US/09988745
 / Publication No. US2002006362A1
 / GENERAL INFORMATION:
 / APPLICANT: Li, Yi and RUBEN, Steven
 / TITLE OF INVENTION: Human Amino Receptor
 / NUMBER OF SEQUENCES: 10
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: SPERNE, KESSLER, GOLDSTEIN AND FOX, P.L.L.C.
 / STREET: 1100 NEW YORK AVENUE, NW, SUITE 600
 / CITY: WASHINGTON
 / STATE: DC
 / COUNTRY: UNITED STATES OF AMERICA
 / ZIP: 20005-3334
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/988,745
 FILING DATE: 20-Nov-001
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 09/314,006
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: STEEFE, ERIC K.
 REGISTRATION NUMBER: 36,658
 REFERENCE/DOCKET NUMBER: 1488.0840001

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 365 amino acids
 TYPE: amino acid
 STRANDEDNESS: Not Relevant
 TOPOLOGY: Not Relevant
 MOLECULE TYPE: protein
 SOURCE DESCRIPTION: SEQ ID NO: 9:
 US-09-988-745-9

Query Match 24.1%; Score 553.5; DB 12; Length 365;
 Best Local Similarity 37.8%; Pred. No. 1.8e-26;
 Matches 137; Conservative 56; Mismatches 134; Indels 8 35; Gaps 12;

Qy 7 PTANSTAWGAGPPSAAPGGSGWVAA--ALCVIALTAAANSLLIALICTOPALRNTSNF 63
 Db 9 PPSLILPASEG--SAPLSQLTAAAGGGLVLTAAVATKPTPLQTLNL 66

Qy 64 FLYSLFISDLMYGLVNPMPAMLNALGRWVLARGCLLWTADYWCASASILNCLISID 123
 Db 67 FIMSLASADLYGLLVPFGATIVNGRWEYGSFFCBLTSVDVLTCASTETLCLVIALD 126

Qy 124 RYLLILPLRYKLMPTPLRALLVGAWSLALASLPLLGW--HELGHARPPV--PGQ 179
 Db 127 RYLAATSPFRYQSLLTARARALVCTWAISLVSPLIMHWWTAESDEARRCYNDPKC 186

Qy 160 CRILLASLPPFLVAVSLGTLPLPSGAICTYCRILLARKQAQVVAS---LITGMASQAS- 234
 Db 187 CDFVTRAYAALASSVVFYVPLCIMAVFLVFRQQVKIDSCERRFLGGPARPPSP 246

Qy 235 ETLQVPRPRGVESDR----RLATHRSKALKAKLTGILGMFFVTWLPFFVA 287
 Db 247 EFPSPGPBPRAFPDSLANGRSSLKRPSSLVALREQKALK---TIGIMGVFTLCWLPFLA 303

Qy 288 NIVQAV-CDC1SPGFLFVLTWLGCTSTMNPITY--PLFWNRDFRAGLFLPCTP---C 340
 Db 304 NIVKRAFHRLDVPPDRLFVFFNWLGYANSAFNPVYCRSP---DFRAFQRLCCARRAAC 359

Qy 341 PR 342
 Db 360 RR 361

RESULT 11
 US-09-995-211-4
 ; Sequence 4, Application US/09895211
 ; Patent No. US2002012763PA1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hunton and Williams
 ; INVENTION: INTRON/EXON STRUCTURE OF THE HUMAN AND MOUSE BETA3 ADRENERGIC REC
 ; TITLE OF INVENTION: GENES
 ; FILE REFERENCE: 58769.00011
 ; CURRENT APPLICATION NUMBER: US/09/895,211
 ; CURRENT FILING DATE: 2001-07-02
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; US-09-895-211-6

Query Match 24.1%; Score 552.5; DB 9; Length 400;
 Best Local Similarity 35.1%; Pred. No. 2.4e-16;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGFTANSTPA-WGAGP--PSAAGGSG--WVAALCVIAL-TAAANSLLIALICTQ 54
 Db 3 PWHRNGSLALWSDAPLDSANTSOLPGVWAAAGALLALATVGGNLLVIAART 62

Qy 55 PALRNTSNFLVSLFTSDLMYGLVNPMPAMLNALGRWVLARGCLLWTADYWCASASL 114
 Db 63 PRQQTIVTVFVTSAAALVVGGLVMPGATLALTGHWPLGBTGCEBLWTSVDSLCTVTSI 122

Qy 115 LNQCLISLDRLILPLRYKLMPTPLRALLVGLGWSLAAALASFLPLLGWHELG--- 170
 Db 123 ETLCALAVDRYLAFTVPLRYGTIVTCKRARAVALVWIVSVAAPIMSONWRVGADAE 184

Qy 171 ---HARPPVPGCRLLASLPPFLVAVSLGTLPLPSGAICTYCRILLARKQAQVVASLT 226
 Db 183 AQECHSNPRC--CSFASNMYPALSSSVFPLPLWMLFTYARVEVVARQR-HILRRE 238

RESULT 12
 US-09-895-211-6
 ; Sequence 6, Application US/09895211
 ; Patent No. US20020127639A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hunton and Williams
 ; INVENTION: INTRON/EXON STRUCTURE OF THE HUMAN AND MOUSE BETA3 ADRENERGIC REC
 ; TITLE OF INVENTION: GENES
 ; FILE REFERENCE: 58769.00011
 ; CURRENT APPLICATION NUMBER: US/09/895,211
 ; CURRENT FILING DATE: 2001-07-02
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 6
 ; LENGTH: 400
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; US-09-895-211-6

Query Match 24.1%; Score 552.5; DB 9; Length 400;
 Best Local Similarity 35.1%; Pred. No. 2.4e-16;
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

Qy 5 PGFTANSTPA-WGAGP--PSAAGGSG--WVAALCVIAL-TAAANSLLIALICTQ 54
 Db 3 PWHRNGSLALWSDAPLDSANTSOLPGVWAAAGALLALATVGGNLLVIAART 62

Qy 55 PALRNTSNFLVSLFTSDLMYGLVNPMPAMLNALGRWVLARGCLLWTADYWCASASL 114
 Db 63 PRQQTIVTVFVTSAAALVVGGLVMPGATLALTGHWPLGBTGCEBLWTSVDSLCTVTSI 122

Qy 115 LNQCLISLDRLILPLRYKLMPTPLRALLVGLGWSLAAALASFLPLLGWHELG--- 170
 Db 123 ETLCALAVDRYLAFTVPLRYGTIVTCKRARAVALVWIVSVAAPIMSONWRVGADAE 184

Qy 171 ---HARPPVPGCRLLASLPPFLVAVSLGTLPLPSGAICTYCRILLARKQAQVVASLT 226

183 AQECHSNPAPC--CSFASNMPFALLSSVSFPLMLFTYARVVAQRQR-HLRR 238
 227 TGHASQASSETLQVPRTRP-----GYESADSP-RLATKHSRALKAKLTGILL 274
 229 LGFSPSPESSPPSPSRSPATGGTAAAPDGVPGHRPARILPLRHLR-----TFLGLIM 295
 275 GMFPTVNLPEFFYANIVQAVC--DCISDGLFQDVTWLGNCNSTMNPY--PLNFNDFK 329
 296 GFLSLCIVPFLFANVPLAGPSLVPGQFVTAFLNQYANAFNPVYCRSPDFDERR 355
 330 AL---GRFLPCPRC--PREQASLSPSLR-TSHSGPRP 362
 356 LILCSYGGRGPEEPRAVTFPASVEARSSPPLNRFDGYEGARP 397

RESULT 13
 US-10-225-567A-98
 ; Sequence 98, Application US/10225567A
 ; Publication No. US2003011379A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lifespan Biosciences
 ; APPLICANT: Brown, Glenn C.
 ; APPLICANT: Roush, Christine L.
 ; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTOBODIES FOR G PROTEIN-COUPLED RECEPTORS
 ; FILE REFERENCE: 1120-4-4
 ; CURRENT APPLICATION NUMBER: US/10/225-567A
 ; CURRENT FILING DATE: 2001-02-19
 ; PRIOR APPLICATION NUMBER: 60/257,144
 ; PRIOR FILING DATE: 2000-12-19
 ; NUMBER OF SEQ ID NOS: 229
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 98
 ; LENGTH: 446
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-225-567A-98

Query Match 24.1%; Score 552.5; DB 14; Length 446;
 Best Local Similarity 31.2%; Pred. No. 2.8e-36;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

Qy 21 SAPPGSGWV-----AAALCVVTAALAAANSLIALICTOPLARN-TSNEFLYSL 68
 Db 7 SAMDTGLIVVERDFSVRILTAFLSLLSTLSTLNTVCAVTRFRHLRSKTVNFFTSL 66

Qy 69 FTSQMLVGLVMPFAMNLALYLGAVSAAASFLPLLGWHELHARPPVG-----128
 Db 67 AVSDLIVAVLMPKAVAEIAGFWPFG-SFCNITWAFIMCSTASLNLCVSDRYWAI 125

Qy 129 LSPRKYKURNTPLRDLALYLGAVSAAASFLPLLGWHELHARPPVG-----178
 Db 126 SSPPREYRDTPKBAFLISVAVTSLVJISFVQPLSWH--AKPSPSDGNATSLAET 182

Qy 179 --QCRLLASLPFVIAASGLTFLPSGALCFTYCRILLAAKQAVQVASL-TTGMASQASE 235
 Db 183 IDNCDSSLSRTYAISSSVISFVPAIMIVTRIYIACKQIRRIALERAAYHAKNCQ 242

Qy 236 TLOYVRTPPRGVEADSRLATKHSRALKAKLTGILLGMFFFTWLFPPFVANIQAVCD 295
 Db 243 TTGNGKPVCEQSFFKNSFRRTVYLK--TLSVIMGFVFCWCWLFILNCLPFG 299

Qy 296 -----CISPGIPLRMTPLRALLVLGAVSAAASFLPLLGWHELHARPPVG-----178
 Db 300 SGETQFCDNSNTDVEWFGWANSSNPITYAFNADFRKAFTSLGCYRLCPATNNAI 358

Qy 347 -----SLASPLSLRTSHSGPRPGISLQQVTPFLPQVSLWISPLVQPLWHK--AKPSPSGNATSLAET 182
 Db 359 ETVSINNNGAAMFSSHHHEPRGTSKECNLVLYPHAVGSSEDLKKEAAGIARPLEKLSP 418

Qy 402 GEARQDPPLPTRAAAVNPNIDDAEPELRP----HP 434
 Db 419 -----ALSVILDYDTDVSLEKIQPMTQNGQHP 445

RESULT 15
 US-10-229-642-4
 ; Sequence 4, Application US/10229642
 ; Publication No. US2003017074A1
 ; GENERAL INFORMATION:
 ; APPLICANT: The Procter & Gamble Company
 ; APPLICANT: Sheldon, Russell
 ; TITLE OF INVENTION: Methods for Identifying Compounds for Regulating Muscle Mass
 ; FILE REFERENCE: 8449M
 ; CURRENT FILING DATE: 2003-10-09
 ; PRIOR APPLICATION NUMBER: 60/349,620
 ; PRIOR FILING DATE: 2002-07-01
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 2
 ; LENGTH: 446
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-229-642-2

Query Match 24.1%; Score 552.5; DB 14; Length 446;
 Best Local Similarity 31.2%; Pred. No. 2.8e-36;
 Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

Qy 21 SAPPGSGWV-----AAALCVVTAALAAANSLIALICTOPLARN-TSNEFLYSL 68
 Db 7 SAMDTGLIVVERDFSVRILTAFLSLLSTLSTLNTVCAVTRFRHLRSKTVNFFTSL 66

Qy 69 FTSQMLVGLVMPFAMNLALYLGAVSAAASFLPLLGWHELHARPPVG-----128
 Db 67 AVSDLIVAVLMPKAVAEIAGFWPFG-SFCNITWAFIMCSTASLNLCVSDRYWAI 125

Qy 129 LSPRKYKURNTPLRDLALYLGAVSAAASFLPLLGWHELHARPPVG-----178
 Db 126 SSPPREYRDTPKBAFLISVAVTSLVJISFVQPLSWH--AKPSPSDGNATSLAET 182

Qy 179 --QCRLLASLPFVIAASGLTFLPSGALCFTYCRILLAAKQAVQVASL-TTGMASQASE 235
 Db 183 IDNCDSSLSRTYAISSSVISFVPAIMIVTRIYIACKQIRRIALERAAYHAKNCQ 242

Qy 236 TLOYVRTPPRGVEADSRLATKHSRALKAKLTGILLGMFFFTWLFPPFVANIQAVCD 295
 Db 243 TTGNGKPVCEQSFFKNSFRRTVYLK--TLSVIMGFVFCWCWLFILNCLPFG 299

Qy 296 -----CISPGIPLRMTPLRALLVLGAVSAAASFLPLLGWHELHARPPVG-----178
 Db 300 SGETQFCDNSNTDVEWFGWANSSNPITYAFNADFRKAFTSLGCYRLCPATNNAI 358

Qy 347 -----SLASPLSLRTSHSGPRPGISLQQVTPFLPQVSLWISPLVQPLWHK--AKPSPSGNATSLAET 182
 Db 359 ETVSINNNGAAMFSSHHHEPRGTSKECNLVLYPHAVGSSEDLKKEAAGIARPLEKLSP 418

Qy 402 GEARQDPPLPTRAAAVNPNIDDAEPELRP----HP 434
 Db 419 -----ALSVILDYDTDVSLEKIQPMTQNGQHP 445

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; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIORITY NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 4
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-239-642-4

Query Match 24.1%; Score 552.5; DB 14; Length 446;
Best Local Similarity 31.2%; Prd. No. 2.8e-36;
Matches 143; Conservate 79; Mismatches 172; Indels 65; Gaps 13;

Qy 21 SAPGGSGNY-----AAALCVVIALTAANSALLIACTOPALRN-TSNPFVSL 68
Db 7 SAMGTGLVVERDESVRILTACPLSLISTLIGNTIVCAAVTRFRHLRKVTNFVSL 66

Qy 69 FTSPLMVGIVMPAMNLYGRWVLARGLCLWLTAVMCCSASTINLCISLDYLL 128
Db 67 AVSPLIVAVLVMWPKAVAEIAGEMPPFG-SFCNIWVAFDIMCSTASTINLCISDYYWAI 125

Qy 129 LSPDRYKLENTPRALALVTLGANSALALASFLPLLGRHELCHARPVPG ----- 178
Db 126 SSPPRVERPDTPKAFLISLIVSPLVQSLHK--AKPSPSPDCNATSLAET 182

Qy 179 --QCRLLASLPFVIVASGLTFLPSGATCFTYCRLIAARKQAVQVDSL-TIGMASQASE 235
Db 183 IDNCDSLSRTYAISSSVTSVYFVAMIVTVTRIYTAQKIRRILALERAHHAKNCQ 242

Qy 236 TLOVPRTPPGVESADSRELAKHSRALKAKLTGLLGMFFVTVLPPFFVANIVQCD 295
Db 243 TTGNGKPYBCSQBESFMSFREKTYLK--TLSVINGVEVCCWDFFLINCDFPCG 299

Qy 296 -----CISPGLPDVLTWLGYNSTMNPPIYPLFMRDFKRALGRFLPCPR-CPRERA- 346
Db 300 SGETQPFCDISNTDVFVFWGANSLSRPIYAFNADFRKAFTSLLGCYRICPATNNAI 358

Qy 347 -----SLASPSLRTSHSGPRPGLSLQQLPLPLPPDSDDAGSGGSSGLRITAQLLJP 401
Db 359 ETYSINNNGAAMPSSHEPRGTSKEMCNLVYLPHAVGSSEDLKKERBAGTAPLKSP 418

Qy 402 GEATQDPPLPTRAANVNPNIDAEPELRP-----HP 434
Db 419 -----ALSVILDYDTDVSLERIQPTITQNGQHP 445

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Search completed: May 7, 2004, 13:25:57
 Job time: 49 secs